

## Overview

The following guide will instruct you in updating the software running on your X-Laser Mercury-based systems. This guide applies to all X-Laser laser projectors equipped with Mercury control systems as well as standalone Mercury control units.





## Preparation

Updates can be installed from any USB flash drive formatted with a FAT or FAT32 file system. Other file systems like exFAT, NTFS, and APFS are not supported. You can determine the file system by right clicking the drive and selecting “Properties” on Windows or “Get Info” on MacOS. Many smaller USB flash drives will already be configured for FAT32 and can be used immediately. Drives less than 32GB can be reformatted by right clicking on the drive and selecting “Format...” In Windows or using Disk Utility on MacOS and selecting FAT or FAT32 as the file system. **NOTE: Formatting a drive will delete all files stored on that drive.** Drives 32GB and larger cannot be directly formatted as FAT32 and are not recommended for software updates.

The latest mainstream software update package can be downloaded from X-Laser’s website. If you have a system using custom firmware, contact X-Laser support to obtain the latest update. As of the time of this writing, all non-custom Mercury systems use the same software and can use the same update packages.

- Extract the software update file, ending in “.xlb” from the update ZIP file.
- Copy the .xlb file into the root of a USB flash drive. Do not copy the ZIP file to the flash drive, and do not place it inside of a folder on the flash drive

## Install

- Power off the Mercury system, and insert the flash drive in the USB port
- Hold down the  (Menu) button while powering on the system. Keep the button pressed until the “System Update” Menu appears, and then release the button
- Use the keypad to scroll down to “Install update from USB”
- Follow the prompts and select the update file. If multiple files are on the drive, use  (Right) to move from one to the next, and then  (Enter) to select the appropriate file.
- Press  (Enter) to confirm the file selection, and the update will begin. DO NOT REMOVE THE FLASH DRIVE OR POWER OFF THE SYTEM UNTIL INSTRUCTED THAT IT IS SAFE TO DO SO.
- The system will go through several steps to authenticate, load, install, and verify the update.
- Once the update is complete, press any button to return to the System Update menu. Scroll to the top of the menu and select “Exit” to leave the System Update menu and return to normal option, or power off the system.
- After the update is installed, the system may display a message warning of an invalid configuration. This indicates that the new software requires a new configuration, and that the system has automatically reset the configuration to the new defaults. Verify that the new system settings are suitable for your application.

## Troubleshooting

- If the USB drive is not recognized, check that it is formatted as FAT32, or try a different flash drive
- If no files are recognized, verify that the update “.xlb” file has been placed in the root of the flash drive, or try downloading and/or unzipping the file again.

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- If the system indicates that the file is “Not Supported”, check that this is the appropriate update file for your system. Custom systems may require specific software update packages, and certain updates will not be authorized for installation on all systems.
  - If all else fails, contact X-Laser for assistance.